

09/695,493

PATENTAMENDMENT C (IN RESPONSE TO PAPER NO. 8
(OFFICE ACTION DATED MARCH 25, 2005))SPECIFICATION

In the Summary section, at page 2, please replace the paragraph beginning on line 15 with the following amended paragraph:

In an embodiment of the present invention, a notification may be received from the wireless link upon activation indicating that the wireless link has been is activated. Upon activation, the wireless link may ~~determines~~ determine the usable interface clients in its proximity. In another embodiment of the present invention, information may be received that was input [[by]]from the user in response to the generated content. Subsequent content may then be generated based on the received information and then transmitted to the interface client for display. In one aspect of such an embodiment, [[,]]the information from the user may be input into the wireless link which then transmits the information to the server.

In the Detailed Description section, at page 9, please replace the paragraph beginning on line 13 with the following amended paragraph:

In an embodiment of the present invention, a notification may be received from the wireless link upon activation indicating that the wireless link has been is activated. Upon activation, the wireless link may ~~determines~~ determine the usable interface clients in its proximity. In another embodiment of the present invention, information may be received that was input [[by]]from the user in response to the generated content. Subsequent content may then be generated based on the received information and then transmitted to the interface client for display. In one aspect of such an embodiment, [[,]]the information from the user may be input into the wireless link which then transmits the information to the server.

11602.00.0004
CHICAGO/1380225.1

2

09/695,493

PATENTAMENDMENT C (IN RESPONSE TO PAPER NO. 8
(OFFICE ACTION DATED MARCH 25, 2005))

In the Detailed Description section, at page 11, please replace the paragraph beginning on line 19 with the following amended paragraph:

In an aspect of the present invention, ~~wherein~~ the infrastructure server and the selected interface client are connected for communication via the wireless link. In an additional aspect of the present invention, the scanning of the vicinity to detect one or more interface clients may include receiving a signal from each interface client in the vicinity of the wireless link. In another embodiment of such an aspect, the wireless link may first transmit an initial signal in the vicinity for receipt by interface clients in the vicinity whereby the signals received by the wireless link from the interface clients in the vicinity of the wireless link are transmitted by the interface clients in response to the initial signal from the wireless link.

In the Detailed Description section, at page 11 please replace the paragraph beginning on line 29 with the following amended paragraph:

In a further aspect of the present invention, the signal information relating to the interface clients detected in the vicinity may include information relating the capabilities of the detected interface clients. The signal information may also include information relating to the location of the detected information. In one embodiment, the signal information provided to the wireless link by the interface clients may be transmitted to the infrastructure server from the wireless link ~~is provided to the wireless link by the interface clients~~. In yet another embodiment of the present invention, formatting information may be received by the wireless link from the infrastructure server. The wireless link may then subsequently receive

11602.00.0004
CHICAGO/#1380225.1

3

09/695,493

PATENTAMENDMENT C (IN RESPONSE TO PAPER NO. 8
(OFFICE ACTION DATED MARCH 25, 2005))

content from the infrastructure server. The wireless link may format the content based on the received formatting information and then transmit the formatted information to the interface client so that the formation information may be displayed by the interface client. As an option, the formatted content may be encrypted by the wireless link prior to transmission to the interface client so that only the interface client can access the formatted content.

In the Detailed Description section, at page 13, please replace the paragraph beginning on line 9 with the following amended paragraph:

As mentioned above, a personal device 102 may be carried by a user to perform a link between the interface client close to the user and the infrastructure. By separating the display and input interface from this device (possibly leaving a small simple display on the device), it will enable a desired small form-factor of the user's device. One may think of this as an extended cell phone, but it may likely be more like a gateway or router that ~~communicate~~communicates with the wireless infrastructure that also includes a cell phone functionality. The cell phone operation may just be one of many functions that the device serve, and the actual cell phone functionality may be implemented as a wireless head set communicating with the communications device. In the following portion of the specification, the wireless link device 102 may be denoted as a "LitePoint" or simply as a "wireless link".

In the Detailed Description section, at page 14, please replace the paragraph beginning on line 19 with the following amended paragraph:

11602.00.0004
CHICAGO/#1380225.1

4

09/695,493

PATENTAMENDMENT C (IN RESPONSE TO PAPER NO. 8
(OFFICE ACTION DATED MARCH 25, 2005))

It is likely that the user experience may change significantly as the inter[[]]face changes. For example, if one is composing an email on a full screen graphical environment like a normal computer, the user interface is expected to be similar to the well-known computer user interface. If a smaller screen is used and no keyboard is available, it may change to a pen input based interface (the pen input portion may even reside on the wireless link), and if the device is the minimal interface of the wireless link, the user interface may change to become voice operated. Since the interface client reports to the infrastructure server its capabilities, the infrastructure server can upload different interface driver programs to the device to adapt to the user interface if needed. As an option, the most used interface driver programs may reside in the wireless link 102 or an interface client. Since the infrastructure server has access to the wireless link and the interface client, it has the ability to update the interface driver program if needed.

In the Detailed Description section, at page 17, please replace the paragraph beginning on line 6 with the following amended paragraph:

Examples of this could be in an airplane, in a car outside the wireless coverage area. In this scenario, the functionality of the wireless link 102 may be limited to built-in applications and applications downloaded from the infrastructure server 104 when the wireless link was last connected to the server. Some user data may be available and can be synchronized with the main data residing at the infrastructure server upon reconnection. Some illustrative built-in applications may include scheduler/calendar and address book as well as entertainment applications like games and music recording and/or playing capabilities. The external interface client 110 can be used to improve the user experience by providing a more capable visual display for [[the]] viewing the application (such as, for example, when playing a game on an airplane or when examining the user's

11602.00.0004
CHICAGO/#1380225.1

5

09/695,493

PATENTAMENDMENT C (IN RESPONSE TO PAPER NO. 8
(OFFICE ACTION DATED MARCH 25, 2005))

schedule). This may not result in the absolute optimal user experience since the wireless link is controlling the interface client and may have limited memory, processing capabilities, and power supply (i.e., being battery powered).

In the Detailed Description section, at page 18, please replace the paragraph beginning on line 11 with the following amended paragraph:

One could also envision a scenario where the interface client contacts the infrastructure server using a user's wireless link. This could be to send a picture back to the infrastructure server, to report mail functions, or to inform the infrastructure server that a certain interface capability is available, and the infrastructure server can then initiate contact to the user through this device.

In the Detailed Description section, at page 19, please replace the paragraph beginning on line 9 with the following amended paragraph:

On the other hand, if the interface clients are the one initiating the connection, they may send out a beacon, and the wireless link may listen for such beacons. When a beacon is received, the wireless link may acknowledge its presence, and the two devices may start to interchange relevant information. Among other information, the interface client may report its capabilities. This can be in the form of an ID-type or directly its capabilities like display resolution, sound capability, input devices etc. It may also include information not directly related to the technical information of the interface client like its location etc. This information is reported back to the infrastructure server, or adopted by the wireless link. From this point on the infrastructure server has identified the user, the presence and capabilities of

11602.00.0004
CHICAGO/#1380225.1

6

09/695,493

PATENTAMENDMENT C (IN RESPONSE TO PAPER NO. 8
(OFFICE ACTION DATED MARCH 25, 2005))

the interface client. The infrastructure server formats the interface client to fit the user's preferences using the best-suited user interface. This can be done by having the infrastructure server transfer an interface driver program to the wireless link (if it is not already there) or use an interface driver program that could be executed directly by the interface client if needed. (Initially it is expected that the wireless link may execute the interface driver program, but as the system gets acceptance, the code may move to run on the interface client). [[.)]] A protocol with reduced bandwidth requirements can be used to control the interface client. The infrastructure server or the wireless link may know where the user ended the last session, and can continue from there. Thus, interface roaming is achieved.

In the Detailed Description section, at page 21, please replace the paragraph beginning on line 16 with the following amended paragraph:

After the user login (verified by the infrastructure server) – the infrastructure server should already know the interface client's capabilities, so the infrastructure server can tell the interface client to generate the interface the user had when last connected. The infrastructure server may reformat the user experiences to the capabilities of the new interface client.

11602.00.0004
CHICAGO/1380225.1

7